## ABSTRACT

An insulating ceramic composition forming insulating ceramic layers (3) stacked in a multilayer ceramic substrate (2) used in a monolithic ceramic electronic component, such as a multilayer ceramic module (1). The insulating ceramic composition contains a first ceramic powder mainly containing forsterite, a second ceramic powder mainly containing at least one compound selected from the group consisting of CaTiO3, SrTiO3, and TiO2, and a borosilicate glass powder. The borosilicate glass powder contains 3 to 15 percent by weight of lithium in terms of Li<sub>2</sub>O, 30 to 50 percent by weight of magnesium in terms of MgO, 15 to 30 percent by weight of boron in terms of B<sub>2</sub>O<sub>3</sub>, 10 to 35 percent by weight of silicon in terms of SiO2, 6 to 20 percent by weight of zinc in terms of ZnO, and 0 to 15 percent by weight of aluminum in terms of Al<sub>2</sub>O<sub>3</sub>. The insulating ceramic composition can be fired at a temperature of 1000°C or less, and the resulting sintered compact has a low relative dielectric constant, a resonance frequency with a low temperature coefficient, and a high Q value.